## ABSTRACT

1	Multiple output streams of video and/or audio data are simultaneously
2	generated from a large scale memory buffer array and sent to one or more customer
3	devices for playback. The data is sent over networks, which use one or more
4	protocols for data communication. Thus, for each network, a transport protocol stack
5	is generated. The transport protocol stack is generated in hardware, thus greatly
6	improving the throughput, and increasing the number of streams that can be generated.
7	A wide data bus and wide address bus can be utilized because the protocol stack is
8	generated in hardware, so that higher throughput can be achieved from the large scale
9	memory buffer array. A plurality of protocol stack generators can have access to the
0	same block of memory, allowing many output streams to be generated from a single
1	copy of content in the large scale memory buffer array.